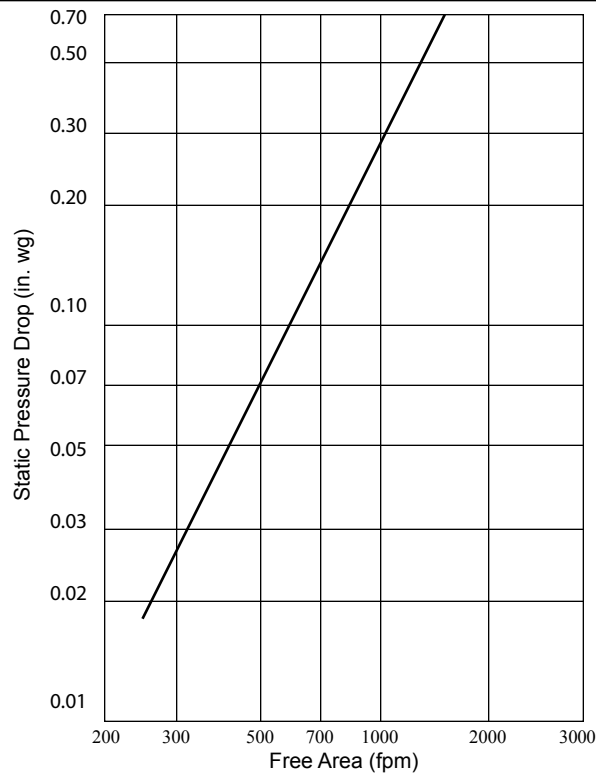


PERFORMANCE DATA for 4500 & 4550 Series



Water Penetration:

Test on a 48" x 48" size louver shows that the beginning point of water penetration at .01 oz./sq.ft. is 745 fpm.

Ratings do not include the effect of bird screen.

4500 SERIES: FREE AREA IN SQUARE FEET												
Vertical Inches	12	14	16	18	20	24	30	36	42	48	65	72
12	0.23	0.29	0.34	0.39	0.44	0.54	0.68	0.82	0.96	1.11	1.25	1.39
16	0.38	0.45	0.53	0.61	0.68	0.82	1.04	1.26	1.48	1.71	1.92	2.25
20	0.49	0.61	0.72	0.81	0.91	1.11	1.40	1.71	2.00	2.29	2.59	2.88
24	0.64	0.77	0.89	1.03	1.15	1.40	1.77	2.15	2.52	2.89	3.26	3.48
28	0.77	0.94	1.09	1.23	1.38	1.69	2.14	2.58	3.03	3.48	3.93	4.36
32	0.91	1.10	1.27	1.44	1.62	1.97	2.30	3.02	3.55	4.08	4.60	5.13
36	1.05	1.25	1.45	1.66	1.85	2.25	2.86	3.46	4.07	4.66	5.27	5.86
40	1.19	1.41	1.64	1.86	2.10	2.54	3.22	3.90	4.58	5.26	5.94	6.62
44	1.32	1.57	1.82	2.08	2.33	2.83	3.59	4.34	5.10	5.85	6.61	7.37
48	1.45	1.73	2.01	2.28	2.57	3.12	3.95	4.78	5.62	6.45	7.28	8.11
52	1.61	1.89	2.20	2.50	2.80	3.41	4.31	5.22	6.13	7.04	7.95	8.86
56	1.73	2.07	2.38	2.70	3.03	3.69	4.67	5.66	6.64	7.63	8.62	9.60
60	1.86	2.22	2.57	2.92	3.27	3.98	5.04	6.11	7.16	8.23	9.29	10.35
64	2.00	2.38	2.75	3.13	3.51	4.27	5.41	6.55	7.68	8.81	9.96	11.09
68	2.15	2.54	2.93	3.34	3.74	4.56	5.77	6.99	8.20	9.42	10.63	11.85
72	2.26	2.70	3.12	3.55	3.98	4.88	6.13	7.43	8.71	10.01	11.30	12.59
VELOCITY PRESSURE												
Vel.FPM	200	300	400	500	600	800	1000	1200	1400			
Exhaust	.005	.012	.019	.033	.046	.083	.125	.181	.250			
Intake	-.007	-.016	-.031	-.046	-.066	-.085	-.125	-.225	-.370			

The Free Area Chart shows that the following sizes would be suitable for a value of 1.0 sq. of free area: 14x32, 12x36, 16x28, 18x24, 24x20, 30x16, 42x12

4550 SERIES: FREE AREA IN SQUARE FEET								
Vertical Inches	10	12	14	16	18	20	22	24
4	0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16
6	0.12	0.15	0.18	0.21	0.23	0.25	0.28	0.31
8	0.18	0.22	0.26	0.30	0.34	0.38	0.42	0.46
10	0.24	0.29	0.34	0.40	0.46	0.51	0.57	0.62
12	0.29	0.36	0.46	0.50	0.57	0.64	0.71	0.77
14	0.35	0.44	0.52	0.60	0.69	0.76	0.84	0.93
16	0.42	0.51	0.61	0.71	0.79	0.89	0.99	1.09
18	0.48	0.59	0.70	0.80	0.91	1.02	1.13	1.23
20	0.54	0.66	0.78	0.90	1.03	1.15	1.27	1.39
22	0.60	0.74	0.87	1.00	1.14	1.27	1.41	1.55
24	0.66	0.80	0.95	1.11	1.25	1.40	1.56	1.71
VELOCITY PRESSURE								
Vel.FPM	200	300	400	500	600	800	1000	1200
Exhaust	.005	.012	.019	.033	.046	.083	.125	.181
Intake	-.007	-.016	-.031	-.046	-.066	-.085	-.125	-.225

The Free Area Chart shows that the following sizes would be suitable for a value of 1.0 sq. of free area: 16x22, 18x20, 20x18, 22x16

ORDERING INFORMATION: Select exhaust requirement knowing CFM required and pressure differential.

Example: 1000 CFM with pressure at .125 W.G.

- The velocity Pressure Chart shows 1000 FPM velocity is achieved at .125 W.G.
- To determine the effective Area, divide the CFM by the velocity